

IC Application Note No. S-179

Title: Six anions in a peptide sample

Summary: Determination of fluoride, chloride, bromide, nitrate, sulfate and trifluoroacetate (TFA) in a peptide sample using anion chromatography with conductivity detection after chemical suppression.

Sample: Peptide sample

Sample Preparation: 5 mg dissolved in 6 mL ultrapure water

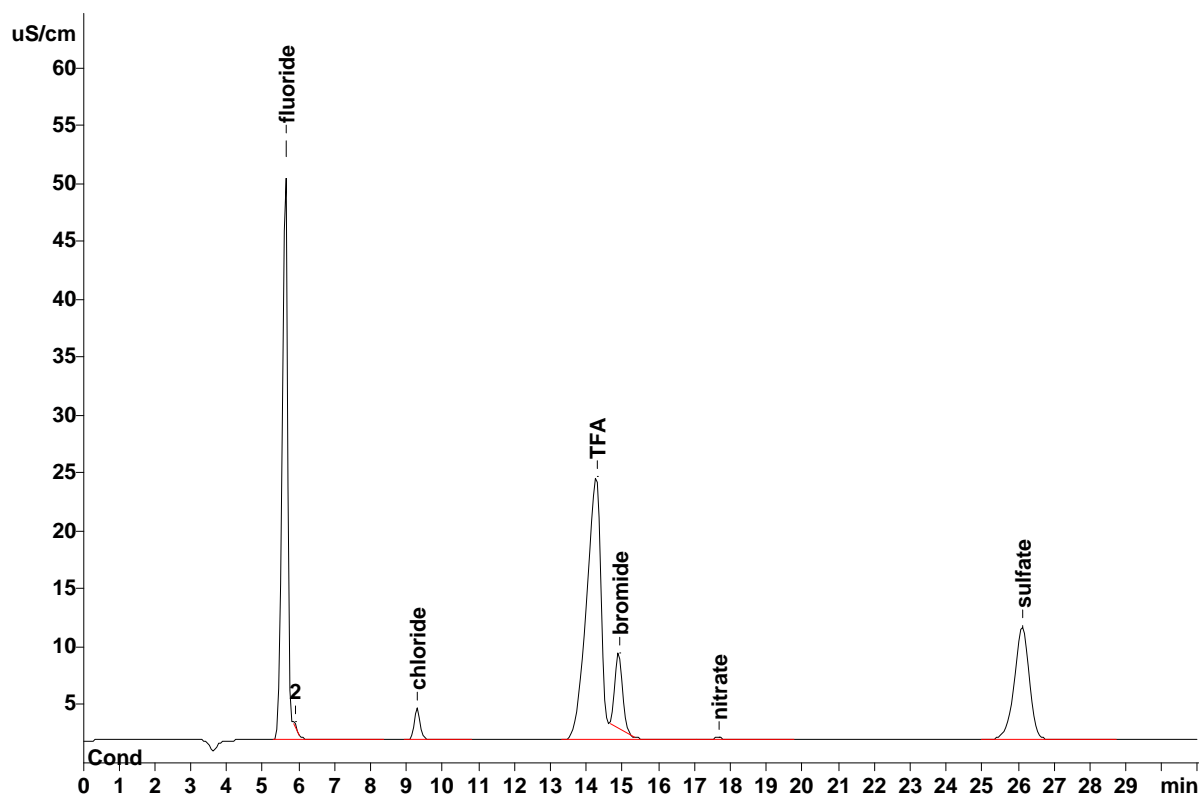
Column: 6.1006.530 Metrosep A Supp 5 – 250

Eluent: 3.2 mmol/L sodium carbonate
1.0 mmol/L sodium hydrogen carbonate

Suppressor: Metrohm Suppressor Module (MSM, 100 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL



Results:	Fluoride mg/L	Chloride mg/L	Bromide mg/L	Nitrate mg/L	Sulfate g/L	TFA g/L
	272.6	1196	344.7	482.7	26.9	143.6